

STREET DESIGN

★ GRADES 3-5 • MATH SKILLS: AREA & PERIMETER/MEASURING/MULTIPLICATION/FRACTIONS ★

What you need:

- Pencils
- Large sheets of butcher paper or construction paper
- Rulers
- Markers
- Crayons
- Colored pencils

Enrichment Activity:

Once students are done laying out their neighborhood, ask them to create arrays and fractions within their attractions. For example, they can make an array of shrubbery in the park or paint three of every four houses blue to make a fraction. Challenge them to create a certain number of arrays and a certain number of fractions.

What to do:

1. Each student is going to design the layout for a neighborhood where they would like to live. Begin by writing the requirements for their design on the board or projector. Their street design must include:
 - 3 sets of parallel lines
 - 1 perpendicular line
 - Half of a circle
 - All roads must measure 1 inch.
2. Let your students start designing the basics of their neighborhood.
3. Once they finish the basics, ask them to think about attractions.
 - What are the interests of the people who will live in the neighborhood? Would it make sense to add a park? A library?
 - What should the neighborhood name be?
 - What would they recommend as the speed limit for each street? Should streets where children play have a lower speed limit?
 - Where should they put a stop sign or traffic light?

